Gestetner LANIER RICOH savin

C267 Product Support Guide

Introduction

Launch Date	August 2006
S/N Configuration	**N03**YMMXXXX~
Product Code	C267

Product Code	Gestetner	Lanier	Ricoh	Savin
C267	CP6143L	LDD120	DX 3340	3180DNP

Training Information

- The training delivery method for the C267 will be auto-certification for Service Professionals who are certified on the C231/C237/C238/C248.
- Technicians that are not certified on the C231 Series will be certified on the C267 on the successful completion of the C231/C237/C238/C248 Computer Based Training (CBT) Self-Pace Training Program.

Documentation

Description	MIU Code
C267 Service Documentation Update Package	002713MIU
C231/C237/C238/C248/C267 Service Manual	000914MIU
C231/C237/C238/C248/C267 Parts Catalog	000876MIU

Note:

If you have any questions regarding this or any other training, please contact the Service Education and Development Division at (973) 882-5797.

The Service Documentation Update Package **(002713MIU)** includes the items in the table below:

TITLE / LIT TYPE	RFG-eSource Content ID #	FILE NAME
C231/C237/C238/C248/C267 Service Manual	rfg001065	C231_SM.pdf
C231/C237/C238/C248/C267 Point to Points	rfg001063	C231_P2P.pdf
C267 Yellow Letter	rfg022824	C267_YelLet.doc
CD-ROM		
C231/C237/C238/C248/C267 Service Manual	rfg001065	C231/C237/C238/C248/C267 Service Manual
C249 Service Manual	rfg009838	C249 Service Manual
C231/C237/C238/C248/C267 Point to Points	rfg001063	C231/C237/C238/C248/C267 Point to Points
C249 Point to Points	rfg009839	C249 Point to Points
C231/C237/C238/C248/C267 Operating Instruction Manual	rfg001062	C231/C237/C238/C248/C267 Operating Instruction Manual
C249 Operating Instruction Manual	rfg009840	C249 Operating Instruction Manual
C231/C237/C238/C248/C267 Parts Catalog	rfg001064	C231_PC.pdf
C249 Parts Catalog	rfg009837	C249_PC.pdf
B406 Parts Catalog	rfg000847	B406_PC.pdf
C532 Parts Catalog	rfg000918	C532_PC.pdf
C600 Parts Catalog	rfg000927	C600_PC.pdf
C642 Parts Catalog	rfg022826	C642_PC.pdf
C647 Parts Catalog	rfg022827	C647_PC.pdf
C651 Parts Catalog	rfg022828	C651_PC.pdf
Core Technology Manual	rfg001540	Core Tech Manual.pdf

Product Concept

The C267 Digital Duplicator is the successor to the current Model C248. The function and operation of the C267 and the C248 are basically identical. The master making mechanism and the image printing mechanism are identical. The exception is the C267 contains an improved scanner unit drive mechanism and a newly designed Operation Panel.

Major Technical Enhancements of C267

Ease of use

- The bright, high-view ability LCD screen displays step-by-step guidance in graphical form for clearing paper jams and performing other operations.
- An open master eject unit, which enables quicker jam recovery for paper delivery jams and master eject jams
- A drawer-type master making unit, which enables easier replacement of the master roll
- Main firmware update via an IC card
- The thermal head voltage adjustment can be performed easier (from the operation panel).
- One bi-functional Start key that is automatically switched between master making and printing.
- High-speed printer with Ricoh optional controller (VC-20) – Directly installed to the C267, interface kit is not required.

Product Quality Improvements

- Increased paper feed power for the paper delivery unit, which further reduces paper delivery jams.

High Productivity with High-Speed Printing

- High-speed printing same as C248 (Max 130cpm).
- Retry paper-feeding mechanism succeeded from C248.

C646 (Controller) Specifications

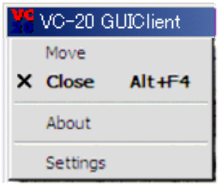
Product name	VC-20
Configuration	Embedded controller unit
Printer language	GDI
Host interface	USB-1.1/2.0 (Full speed mode)
Emulation mode	None
Fonts	None
Image Resolution	300, 400 dpi
Paper size	70 x 148 - Drum Size
Selectable Paper Size	A3, A4, A5, A6, B4, B5, B6, Tabloid, Legal, Letter, Statement, F(8 x 13), Env #10, 8kai, 16kai
CPU	Atmel 89c5130
EPROM	None (32kbyte in CPU)
RAM	16MB
Power source	From main unit
Power consumption	Below 2W (DC5V)
Software drivers	Win 98SE/ME/2000/XP, Win Server2000/Server2003
Platform	PC/AT Compatible
Brand	World Generic
Job preview	No
Job queue	No
Job rotation	Yes, 180 degrees (With All DD) 90 degrees (With Paper Size Detectable DD)
Job Cancel	Available
Cycle	Available
Skip Print	Available (2/4/6)
Eco. Mode	Available
Dot shape	STD GDI
Auto detection Priport	Available
Copy number out put	Available
Auto Printer detection	Available
Connection test	Available
Driver language	English, German, French, Italian, Spanish, Dutch, Russian, Chinese, Japanese
Operation Instructions	English, German, French, Italian, Spanish, Dutch, Russian, Chinese

VC-20 GUIClient

VC-20 GUIClient is an additional feature and support mechanism for both end-users and field service personnel. With the duplicators that do not have any operation side LEDs such as model C261, there is no way for VC20PrinterServer to communicate the duplicator's condition to the operator, in this case VC-20 GUIClient provides a superior mechanism for correctly displaying the duplicator condition to the operator or service personnel. VC-20 GUIClient also provides two ways stream of communication between the operator and the duplicator, this allows VC-20 GUIClient to display warning message when paper size mismatch occurs, the operator can then instruct VC-20 GUIClient to continue making a master when the size mismatch is corrected. This reduces wasted masters and paper. VC-20 GUIClient provides a graphical view of the duplicator status, VC-20 and Job. VC-20 GUIClient also provides a mechanism to change some of the default operating conditions of VC-20PrinterServer. Version information for both VC-20 GUIClient and VC20PrinterServer can be viewed from VC-20 GUIClient.

Status

1. Information and Settings

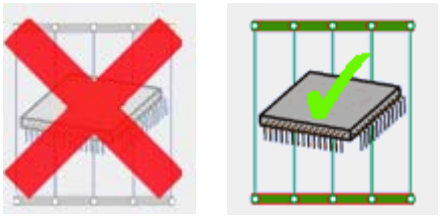


Information & settings can be made from the VC-20 GUIClient drop down menu. To access the menu, left click on the VC-20 GUIClient icon located on the top corner of the VC-20 GUIClient title bar or right click on the GUIClient title bar.

2. VC-20 GUIClient Connection Status

The green icon (right) displayed when VC-20 GUIClient is connected to VC20PrinterServer.

3. VC-20 PCB Status

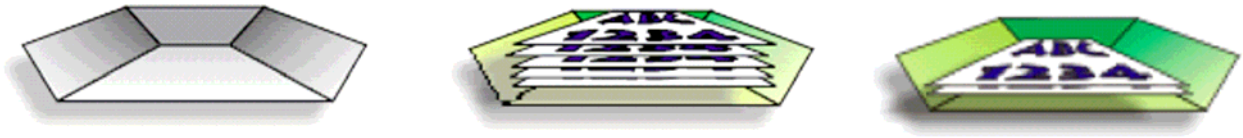


The Red Cross (left) appears when VC20PrinterServer cannot configure VC-20 PCB. The green check mark shows when it successfully configured VC-20 PCB.

4. **Job Cancel**

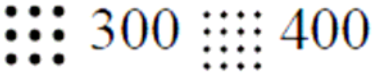
The user can cancel the current job by pressing the “cancel” button in VC-20 GUIClient. When the “cancel” button is pressed, VC-20 GUIClient sends a job cancel command to VC20PrinterServer. VC20PrinterServer will stop processing the current job and delete the print data for current job. While the job is being cancelled the button will be orange.
This function is only available when the job is shown on Job Tray **(5.)**

5. Job Tray



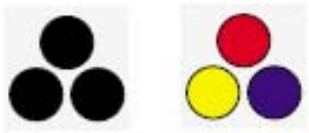
The tray icon changes from gray to green when the
VC20PrinterServer informs VC-20 GUIClient that a print job is being processed. The document icon will return to gray if there are no more jobs for VC20PrinterServer to process. The green icon will show fewer pages when the VC-20 PCB has received print data.

6. Duplicator Resolution



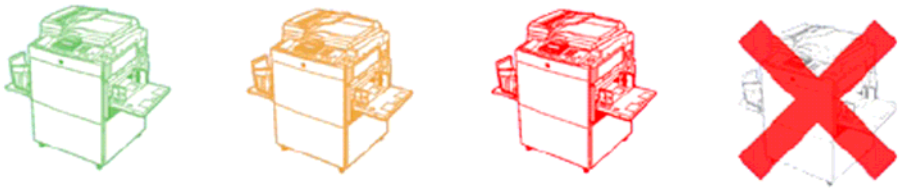
After VC20PrinterServer communicates with connected duplicator, VC-20 GUIClient will display the resolution of the connected duplicator.

7. Drum Type Detection (DD with Color Drum Detection Only)



After VC20PrinterServer communicates with connected duplicator, VC-20 GUIClient will display the type of drum in the duplicator. Black dots (left) mean black drum and the color dots (right) mean color drum. With DD, which is not equipped with color drum detection feature such as the C261, the black dots are always shown.

8. Duplicator Status



The VC-20 GUIClient displays a red cross for duplicator status if no duplicator had been detected by VC20PrinterServer. After VC-20PrinterServer has correctly initialized, the icon will change to one of three colors:

1) Green - The duplicator is in Idle condition.
2) Orange - The duplicator is in Busy condition.
3) Red - The duplicator is in Error condition or printing job not finished due to abnormal condition.

C642 (ADF) Specifications

Original size	***Maximum: 297mm x 432mm (11.7" x 17")** Minimum: 105mm x 128mm (4.1" x 5.8")
Original weight	**52 to 105 g/m2, [14 to 28 lb.]**
Original stack capacity	40 sheets (A4/ 8 1/2" and below size, 80g/m2 [20 lb.]) 30 sheets (Over A4/ 8 1/2" x 11" size, 80g/m2 [20 lb.])
Original set	Face up, Feeding the top page at first
Power source	From mainframe
Dimensions (W x D x H)	550mm x 470mm x 90mm [21.6" x 18.5" x 3.55"]
Weight	7.0kg [15.4 lbs.]

C267 Main Frame Specifications

Configuration	Desktop
Pixel Density	300 dpi × 300 dpi In Fine mode, 400 dpi in sub-scanning resolution
Scanning	600 dpi × 300 dpi CCD This model always reduces the amount of scanned data in the main-scan direction by half before printing.
Master Process	Digital with 300 dpi thermal head
Original Type	Sheet / Book
Printing Process	Fully automatic one-drum system
Original Size	Platen Mode Maximum A3 / DL size ADF Mode Maximum 297 mm × 432 mm, 11.7" × 17.0" Minimum 105 mm × 128 mm, 4.1" × 5.0"

Original Thickness / Weight	Platen Mode Maximum 30 mm ADF Mode 52 to 105 g/m^2, 14 to 28 lb.
Original Stack Capacity (ADF)	40 sheets (A4/ 8 1/2" and below size, 80 g/m^2 [20 lb.]) 30 sheets (Over A4/ 8 1/2" x 11" size, 80 g/m^2 [20 lb.])
Copy Paper Size	Maximum 275 mm × 395 mm, 10.8" × 15.6" Minimum 90 mm × 140 mm, 3.5" × 4.7"
Copy Paper Weight	China model 35 to 127.9 g/m^2 Other models 47.1 to 209.3 g/m^2
Printing Speed	80, 100, 130 cpm (3 steps)
Original Type	Text, Text/Photo, Photo, Pale mode
Master Making Density	Lighter, Normal, Darker 1, Darker 2
Reproduction Ratios	Metric (%): 141, 122, 115, 93, 87, 82, 71 Inch (%): 155, 129, 121, 93, 77, 74, 65
Master Eject Box Capacity	30 masters
Copy Paper Capacity	1,000 sheets (64 g/m2, 171 lb.)
Paper Delivery Tray Capacity	1,000 sheets (64 g/m2, 171 lb.)
Power Source	120 V, 60 Hz, 2.0 A 220 V – 240 V, 50 – 60 Hz, 1.1 A
Power Consumption	Master Making: 136W Printing: 149W(130cpm), 132W(100cpm), 122W(80cpm) Energy saving mode: Less than 2W
Noise Emission	Sound Power Level Standby: 36 dB Copying 80 cpm: 78 dB Copying 100 cpm: 80 dB Copying 130 cpm: 84 dB Operating Position Sound Power Level Standby: 20 dB Copying 80 cpm: 63 dB Copying 100 cpm: 70 dB Copying 130 cpm: 72 dB
Dimensions (W × D × H)	Stored 750 × 676 × 633 mm, 29.5" × 26.6" × 24.9" Stored with ADF 750 × 676 × 686 mm, 29.5" × 26.6" × 27.0" Set up 1224 × 676 × 633 mm, 48.2" × 26.6" × 24.9" Set up with ADF 1224 × 676 × 686 mm, 48.2" × 26.6" × 27.0"
Weight	68.5 kg

Master Processing Time	32 seconds (A4 M) When setting an original on the exposure glass
First Print Time	33 seconds (A4 M) When setting an original on the exposure glass
Printing Area	B4 Drum 250 mm × 355 mm LG Drum 210 mm × 355 mm A4 Drum 210 mm × 288 mm
Leading Edge Margin	5 mm ± 3 mm
Side / Vertical Registration Adjustable Range	± 10 mm

Master	Master Type	280 mm width (B4), 240 mm width (LG / A4) 100 mm / roll (China), 125 mm / roll (other destinations)
	Yield	260 masters / roll (B4 / LG) 300 masters / roll (A4) 205 masters / roll (B4 China)
	Maximum run length per master	2000 prints / master
	Storage Condition	0 to 40 C, 10 to 95 %RH
	Storage Period	12 months after production date
Ink	Ink Type	500 ml / pack (Black, China) 600 ml / pack (Black, Other destinations) 600 ml / pack (Other colors)
	Available Colors	Black, Red, Blue, Green, Brown, Violet Yellow, Maroon, Navy, Orange, Hunter green
	Storage Condition	-5 to 40 C, 10 to 95 %RH
	Storage Period	-5 to 40 C (12 months after production date) 15 to 25 C (18 months after production date)

Target Reliability

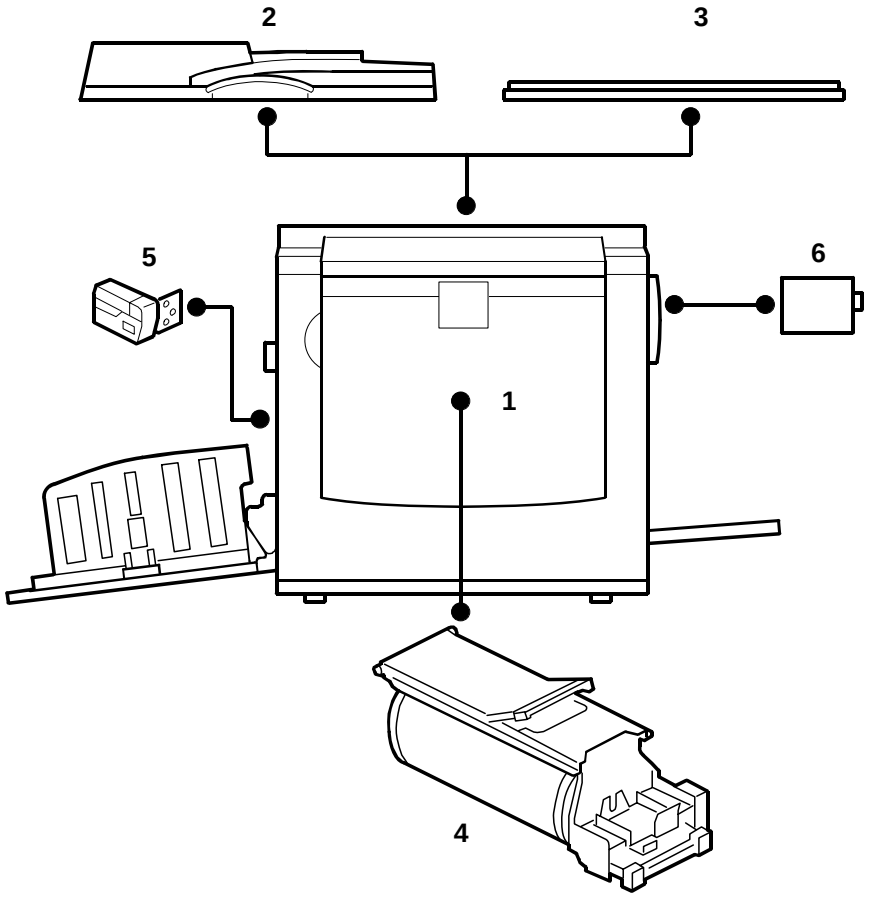
Items	For C267	Remarks
ACV	50k prints / month	
AV C/O	70 prints / master	
Max CV	100k prints / month	
MCBC	200k prints	
Unit Life	6,000k prints, 30k masters or five years	Whichever comes first
PM Interval	600k prints or six months	

Note: All items above are calculated based on the machine ACV assuming the following:

1. PM is regularly performed as recommended.
2. Recommended types of paper are used.
3. The machine is installed in the opera table environment required by specification.

Machine Configuration

This is a list of the peripheral devices that can be installed with the digital duplicator.



No.	Model	Name	Comments
1	C267	Digital duplicator	Main Machine
2	C642	ADF	Auto document feeder
3	B406	Platen cover	
4	C643/C647/C648	Color drum	Optional drum – A4/LG/B4
5	C651	Tape Dispenser	
6	C646	Printer unit VC-20	Printer controller unit

Gestetner / Ricoh / Savin EDP Codes / Option Order Numbers

	Product / Country Code	EDP Code	Item	Product Name
NEW	C267-92	243027	Model C267 LG Symbol + English (120V/50-60Hz)	Savin: 3180DNP / Ges: CP6143L Ricoh: DX 3340
NEW	C642-59	243039	ADF for Model C267 (Generic)	DF Type 20
NEW	C649-23	243058	Brand Plaque Set (100 plaques / EDP)	Brand Plaque Set For Ricoh DX 3340
NEW	C649-24	243059	Brand Plaque Set (100 plaques / EDP)	Brand Plaque Set For Savin 3180DNP
NEW	C649-25	243060	Brand Plaque Set (100 plaques / EDP)	Brand Plaque Set For Gestetner CP6143L
	C647-59	243024	LG Color Drum for Model C267 (Generic)	Color Drum Type 20 (LG)
	C648-59	243025	B4 Color Drum for Model C267 (Generic)	Color Drum Type 20 (B4)
NEW	B406-03	412524	Platen Cover (Generic)	Platen Cover Type 20
	C651-59	243084	Tape Dispenser (Generic)	Tape Dispenser Type 20
NEW	C646-58	243111	Printer Controller	Printer Unit VC-20
	NA	001438MIU	Cabinet	Type 12 Cabinet

Lanier Machine / Option Product ID Numbers

	Product / Country Code	Product ID #	Item	Product Name
NEW	C267-92	479-1674	Model C267 LG Symbol + English (120V/50-60Hz)	Lanier: LDD120
NEW	C642-59	481-7158	ADF for Model C267 (Generic)	DF Type 20
NEW	C649-26	481-7159	Brand Plaque Set (100 plaques / EDP)	Brand Plaque Set For Lanier LDD120
	C647-59	480-0389	LG Color Drum for Model C267 (Generic)	Color Drum Type 20 (LG)
	C648-59	NA	B4 Color Drum for Model C267 (Generic)	Color Drum Type 20 (B4)
NEW	B406-03	481-0397	Platen Cover (Generic)	Platen Cover Type 20
	C651-59	481-7160	Tape Dispenser (Generic)	Tape Dispenser Type 20
NEW	C646-58	481-7113	Printer Controller	Printer Unit VC-20
	001438MIU	481-0704	Cabinet Stand	Type 12 Cabinet Stand

Lanier Supply Product ID Numbers

Product ID # (carton)	Product ID # (each)	Item	Product Name
717-0173	480-0119	Black Ink for C267 / C248 (600ML X 5PKG/CASE)	LANIER INK LDD 020 / 030
NA	480-0357	LG Master for C267 (240MM X 125M/ROLL X2ROLLS/CARTON)	LANIER MASTER LDD120
717-0166	480-0110	GENERIC RED INK (600ML X CART5/CASE)	DIGITAL DUPLICATOR INK RED TYPEII
717-0167	480-0111	GENERIC BLUE INK (600ML X CART5/CASE)	DIGITAL DUPLICATOR INK BLUE TYPEII
717-0168	480-0112	GENERIC GREEN INK (600ML X CART5/CASE)	DIGITAL DUPLICATOR INK GREEN TYPEII
717-0191	480-0149	GENERIC BROWN INK (600ML X CART5/CASE)	DIGITAL DUPLICATOR INK BROWN TYPEII
717-0169	480-0113	GENERIC PURPLE INK (600ML X CART5/CASE)	DIGITAL DUPLICATOR INK PURPLE TYPE II
717-0160	480-0098	GENERIC YELLOW INK (600ML X CART5/CASE)	DIGITAL DUPLICATOR INK YELLOW TYPE II
717-0170	480-0114	GENERIC NAVY INK (600ML X CART5/CASE)	DIGITAL DUPLICATOR INK NAVY TYPE II
717-0171	480-0115	GENERIC MAROON INK (600ML X CART5/CASE)	DIGITAL DUPLICATOR INK MAROON TYPE II
717-0172	480-0116	GENERIC TEAL INK (600ML X CART5/CASE)	DIGITAL DUPLICATOR INK TEAL TYPE II
717-0161	480-0105	GENERIC ORANGE INK (600ML X CART5/CASE)	DIGITAL DUPLICATOR INK ORANGE TYPE II

Gestetner / Ricoh / Savin Supply EDP Order Numbers

EDP Code	Item	Product Name
817113	Black Ink for C267 / C248 (600ML X 5PKG/CASE)	RICOH PRIPORT INK BLACK TYPE JP-30
817114	Black Ink for C267 / C248 (600ML X 5PKG/CASE)	GES COPYPRINTER INK CPI3
817115	Black Ink for C267 / C248 (600ML X 5PKG/CASE)	SAVIN INK TYPE 3260
893023	LG Master for C267 / C231 (240MM X 125M/ROLL X2ROLLS/CARTON)	RICOH PRIPORT MASTER TYPE JP-10S
893024	LG Master for C267 / C231 (240MM X 125M/ROLL X2ROLLS/CARTON)	GES COPYPRINTER MASTER CPMT12
893031	LG Master for C267 / C231 (240MM X 125M/ROLL X2ROLLS/CARTON)	SAVIN MASTER TYPE 315
893027	B4 Master for C267 / C231 (240MM X 125M/ROLL X2ROLLS/CARTON)	RICOH PRIPORT MASTER TYPE JP-10M
893174	GENERIC RED INK (600ML X CART5/CASE)	DIGITAL DUPLICATOR INK RED TYPEII
893175	GENERIC BLUE INK (600ML X CART5/CASE)	DIGITAL DUPLICATOR INK BLUE TYPEII
893176	GENERIC GREEN INK (600ML X CART5/CASE)	DIGITAL DUPLICATOR INK GREEN TYPEII
893177	GENERIC BROWN INK (600ML X CART5/CASE)	DIGITAL DUPLICATOR INK BROWN TYPEII
893042	GENERIC PURPLE INK (600ML X CART5/CASE)	DIGITAL DUPLICATOR INK PURPLE TYPE II
893043	GENERIC YELLOW INK (600ML X CART5/CASE)	DIGITAL DUPLICATOR INK YELLOW TYPE II
893044	GENERIC NAVY INK (600ML X CART5/CASE)	DIGITAL DUPLICATOR INK NAVY TYPE II
893045	GENERIC MAROON INK (600ML X CART5/CASE)	DIGITAL DUPLICATOR INK MAROON TYPE II
893046	GENERIC TEAL INK (600ML X CART5/CASE)	DIGITAL DUPLICATOR INK TEAL TYPE II
893047	GENERIC ORANGE INK (600ML X CART5/CASE)	DIGITAL DUPLICATOR INK ORANGE TYPE II

Installation Requirements

Power Connection

Securely connect the power cord to a power source.
Make sure that the wall outlet is near the machine and easily accessible.
Make sure the plug is firmly inserted in the outlet.
Do not pinch the power cord.
Avoid multi-wiring.
Power Source: 120 V, 60 Hz
The required wall outlet for the C267 is a NEMA 5-15R receptacle. →

Installation Times

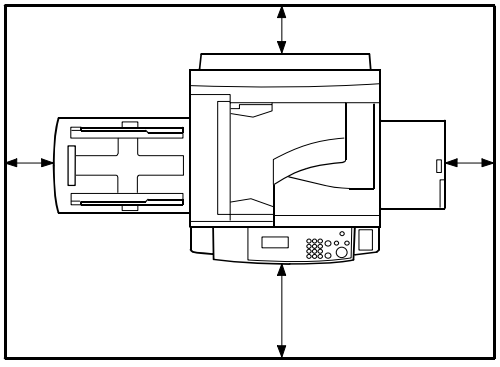
Unit	Installation Time (Minutes)
C267 (Mainframe)	30
ADF	10
Color Drum	20
Tape Dispenser	10
Printer Unit VC-20	30

Machine Space Requirements

Place the machine near a power source, providing minimum clearance as shown below.

200 mm (7.9") Rear

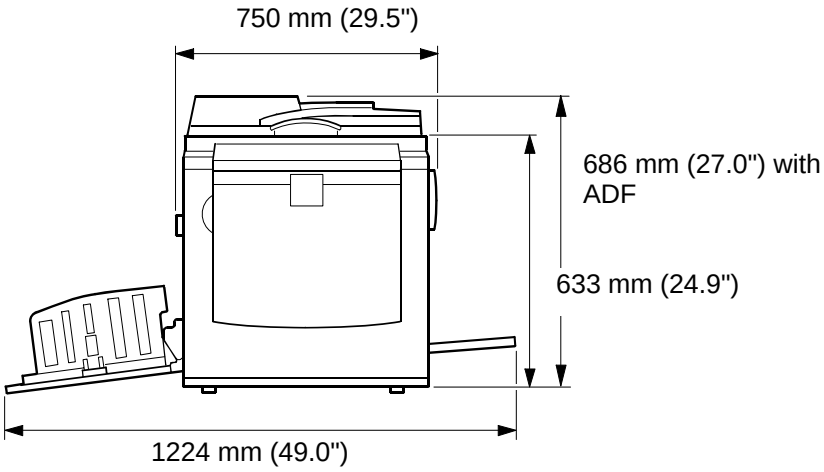
600 mm (23.6") Left

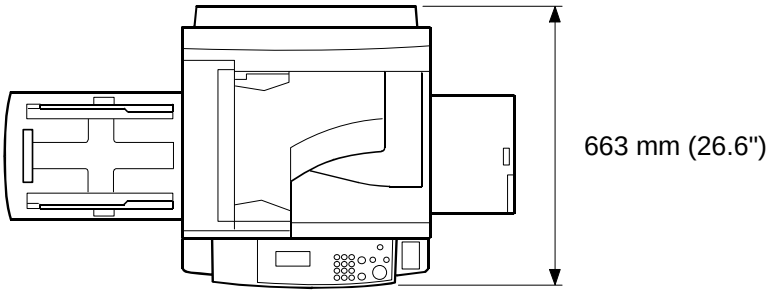


600 mm (23.6") Right

600 mm (23.6") Front

Dimensions





PM Table Parts

NOTES:

1. **Listed part numbers are based on the machines produced at the time of this document issue.**
2. **The most up to date bulletins and part catologs can be found on RFG-eSource (**http://www.rfg-esource.com/).

C267 PM Parts List

Unique/Common
U: Unique to this model
C: Common with listed model

Part Number	Description	Q'ty/ Unit	PM Interval	Unique or Common
Paper Feed/Registration				
C2672802	Paper feed roller	1	600k	U
C2672802	Paper pick-up roller	1	600k	U
C2672819	Friction Pad	1	600k	U
C2672820	Friction Pad – China	1	600k	U
C2615879	Paper Feed Magnetic Clutch	1	3,000k	C (C252)
Drum Unit				
C2522340	Cloth Screen – B4	1	1,200k	C (C252)
C2522341	Cloth Screen – LG	1	1,200k	C (C252)
C2672342	Cloth Screen – A4	1	1,200k	U
C2372460	Ink Roller Gear (one-way clutch)	1	3,000k	C (C252)
Press Roller				
C2673050	Pressure Roller – B4	1	1,200k	U
C2673052	Pressure Roller – LG/A4	1	1,200k	U
Paper Delivery Unit				
C2613879	Transport Belt	2	1,200k	C (C252)
C2523876	Bushing	3	3,000k	C (C252)

C642 (ADF) PM Parts List

Part Number	Description	Q'ty/ Unit	PM Interval (Originals)	Unique or Common
A8592141	Paper Feed Belt	1	80k	C (B123)
B3872161	Pick-up Roller	1	80k	C (B123)
B3871671	Reverse Roller	1	80k	C (B123)

Initial Recommended Service Parts For C267

NOTES:

1. **Listed part numbers are based on the machines produced at the time of this document issue.**
2. **Refer to PM Tables and Special Tools table for additional initial recommended part numbers.**
3. **The most up to date bulletins and part catalogs can be found on RFG-eSource (http://www.rfg-esource.com/).**
4. **Parts in this list are "replace as necessary".**

Part Number	Description	Q'ty/ Unit
C2675160	PCB: Operation Sub-unit: Ass'y	1
B2591812	Lens Unit	1
C2382243	Master Flange - Mh (-80/83/92/93)	2
C2612271	Cutter Unit: B4: Ass'y	1
C2612151	Thermal Head: B4	1
C2675100	PCB: MPU	1
C2675300	DC Power Supply: Main: Ass'y -120V	1
11070392	FUSE - 6.3A 125V	3
11070393	FUSE (GLASS CASE) - 8A - 125V	1
11071067	FUSE: ET-6.3A	1
14075403	RAM: M48T35Y-70PC1	1
A2505725	Rocker Switch	1

Service Information

Operation Panel Counter Information

Machine has electronic and 7 digit mechanical counters.

To display the electronic master and print counters,
Press User tool key, then select counters.

To look at the mechanical counters, open the front door and look to the right of the drum.

Branding

Branding kits available.

Serial Number Location

Look into machine from paper feed table, on left inside frame.

Storage & Transportation Requirements

	Storage	Transportation	Installation
Mainframe	-10 to 40 C 10 to 90 %RH Storage period: Max 18 months Stack Max: 4 cartons	-20 to 60 C 10 to 90 %RH Stack Max: 2 cartons	10 to 30 C (Standard: 23 C) 20 to 90 %RH (Standard: 65 %) Front to Back level difference less than 5mm Side to Side level difference less than 5mm
DF type 20	-30 to 40 C Less than 80 %RH Storage period: Max 18 months Stack Max: 14 cartons	-30 to 50 C Less than 90 %RH Stack Max: 7 cartons	10 to 32 C (Standard: 20 C) 15 to 80 %RH (Standard: 65 %) Front to Back level difference less than 5mm Side to Side level difference less than 5mm
Color Drum	-10 to 40 C 10 to 90 %RH Storage period: Max 18 months Stack Max: 10 cartons	-10 to 40 C 10 to 90 %RH Stack Max: 6 cartons	10 to 30 C (Standard: 23 C) 20 to 90 %RH (Standard: 65 %)
Ink	-5 to 40 C 10 to 95 %RH Storage period: Max 18 months (15 to 25 C) Stack max: 10 cartons	-5 to 40 C 10 to 95 %RH Stack max: 10 cartons	10 to 30 C (Standard: 23 C) 20 to 90 %RH (Standard: 65 %)
Master	0 to 40 C 10 to 95 %RH Storage period: Max 12 months Stack max: 4 cartons	0 to 40 C 10 to 95 %RH Stack Max: 4 cartons	10 to 30 C (Standard: 23 C) 20 to 90 %RH (Standard: 65 %)
VC-20 Controller	-20 ~ 40°C, 10 ~ 90% RH Stack Max: 12 cartons Guarantee term: Max 18 months	-10 ~ 60°C, 10 ~ 90% RH Stack Max: 6 cartons	

Special Tools

The following special tools are needed to maintain the C267 in the field:

Part Number	Description	Q'ty	Unique or Common
A0069104	Scanner Positioning Pin (4 pcs / set)	1	C (B123)
N8036701	Flash Memory Card – 4MB	1	C (General)

Ink Yield Targets

The number of copies per cartridge is obviously a more practical value.
Ink consumption is directly related to the following 6 variables:

Variable elements	Amount Consumed ◄ Low	High ►
Printing Speed	High speed	Low speed
Temperature	Low	High
Image Area	Small	Large
Paper	Low absorbency	High absorbency
Copies / Original	High	Low
Drum size	Small	Large

The number of copies per cartridge can be estimated using the following formula.

$$\mathbf{X} = \frac{A \times Y}{B + (Y \times Z)}$$

X: Copies per cartridge
A: Amount of ink in the cartridge
Y: Average number of copies per original
Z: Ink consumed per copy
B: Ink consumed per ejected master

A: Amount of ink per cartridge

For the C267, this is 600g, A=600 (except China and Asia = 500g)

Z: Ink consumed per copy

The following matrix shows ink consumption (gram) per square meters (m^2) for the C267.
The figure in ( ) is when the machine is on economy mode.

Ref.) Ink Consumption GRAM Master, GRAM Ink and Ricoh Paper 6200 (73.0g/m2)		B4	LG	A4
		100 ppm		
10°C 20% humidity	Avg.	4.4 (4.0) g/m^2	4.1 (3.7) g/m^2	4.4 (4.0) g/m^2
23°C 65% humidity	Avg.	4.5 (4.1) g/m^2	4.5 (4.1) g/m^2	5.0 (4.5) g/m^2
30°C, 90% humidity	Avg.	4.8 (4.3) g/m^2	4.8 (4.3) g/m^2	5.3 (4.8) g/m^2

***Ink consumption depends on the production site of master and Ink (made in UK or made in China) due to each production site has slightly different formula from each other. Ink consumption also depends on paper thickness.**
E.g.)
Z: Ink consumption per copy (B4 drum, A4 paper [Type 6200], 6% chart, printing speed: 100 ppm, 23°C, 65% humidity)

Z = 4.5 x (0.21 x 0.297) x 0.06 = 0.017g

B: Ink consumed per ejected master

For the model C267, the consumption is as follows.

	B4 drum	LG drum	A4 drum
	23°C, 65% humidity	23°C, 65% humidity	23°C, 65% humidity
Avg.	3.8 (g)	3.4 (g)	2.7 (g)

E.g.)
Sample Ink Yield Calculation results (normal temperatures, 90cpm, B4 drum, A4 paper, 6% chart, 23°C, 65% humidity)

C/O = 30, X = (600 x 30) / {3.8 + (30 x 0.017)} = 4,176 copies/cartridge
C/O = 50, X = (600 x 50) / {3.8 + (50 x 0.017)} = 6,451 copies/cartridge
C/O = 100, X = (600 x 100) / {3.8 + (100 x 0.017)} = 10,526 copies/cartridge
C/O = 200, X = (600 x 200) / {3.8 + (200 x 0.017)} = 16,666 copies/cartridge

Contact Information

Name	Contact
Technical Services Call Center (Hotline)	Ricoh: 1-800-537-4264 Savin/Gestetner: 1-800-291-6044 Lanier: 1-800-333-3147
Application Help Desk (Software Issues)	Ricoh Phone Card: 2 Call - 000781MIU, 5 Call - 000900MIU Savin Phone Card: 2 Call - 12992, 5 Call - 12993 Gestetner Phone Card: 2 Call - 12994, 5 Call - 12995
National Reclamation Center	(800) 557-4264 / http://www.nrc-usa.com
Technology Solutions Center Web Site	http://tscweb.net/
Ricoh Web Site	http://www.ricoh-usa.com/
RFG-eSource	http://www.rfg-esource.com/
Savin iLINC Web Site	http://w3.savin.com
Gestetner ILINE Web Site	http://w3.gestetnerusa.com
Lanier Web Site	http://www.lanier.com
Headquarter Web Sites	Ricoh Corporation: http://www.ricoh-usa.com Savin Corporation: http://www.savin.com Gestetner Corporation: http://www.gestetnerusa.com/
Fax On Demand	(973) 808-3590
Material Safety Data Sheets	1-800-336-MSDS (6737)
Eastern Training Center	(973) 882-2200 http://www.ricohuniversity.com/
Western Training Center	(714) 566-3692
Lanier Education Center	(678)-824-3000

Document Revisions

Version 1.0 – Original.
Version 1.1 – Page 8 - Power consumption updated.
Page 11 updated to include cabinet order number.
Page 12 - Lanier Product ID for the LG master was updated.
Page 21 - Ink consumed per copy updated.